

Connecting via Winsock to STN

Welcome to STN International! Enter x:X

LOGINID:SSSPTA1615LXC

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	AUG 15	CAOLD to be discontinued on December 31, 2008
NEWS	3	OCT 07	EPFULL enhanced with full implementation of EPC2000
NEWS	4	OCT 07	Multiple databases enhanced for more flexible patent number searching
NEWS	5	OCT 22	Current-awareness alert (SDI) setup and editing enhanced
NEWS	6	OCT 22	WPIDS, WPINDEX, and WPIX enhanced with Canadian PCT Applications
NEWS	7	OCT 24	CHEMLIST enhanced with intermediate list of pre-registered REACH substances
NEWS	8	NOV 21	CAS patent coverage to include exemplified prophetic substances identified in English-, French-, German-, and Japanese-language basic patents from 2004-present
NEWS	9	NOV 26	MARPAT enhanced with FSORT command
NEWS	10	NOV 26	MEDLINE year-end processing temporarily halts availability of new fully-indexed citations
NEWS	11	NOV 26	CHEMSAFE now available on STN Easy
NEWS	12	NOV 26	Two new SET commands increase convenience of STN searching
NEWS	13	DEC 01	ChemPort single article sales feature unavailable
NEWS	14	DEC 12	GBFULL now offers single source for full-text coverage of complete UK patent families
NEWS	15	DEC 17	Fifty-one pharmaceutical ingredients added to PS
NEWS	16	JAN 06	The retention policy for unread STNmail messages will change in 2009 for STN-Columbus and STN-Tokyo
NEWS	17	JAN 07	WPIDS, WPINDEX, and WPIX enhanced Japanese Patent Classification Data
NEWS EXPRESS	JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3, AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.		
NEWS HOURS	STN Operating Hours Plus Help Desk Availability		
NEWS LOGIN	Welcome Banner and News Items		
NEWS IPC8	For general information regarding STN implementation of IPC 8		

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 16:47:51 ON 08 JAN 2009

=>

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.22	0.22

FILE 'CAPLUS' ENTERED AT 16:48:03 ON 08 JAN 2009

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 8 Jan 2009 VOL 150 ISS 2

FILE LAST UPDATED: 7 Jan 2009 (20090107/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>

=> s polyoxyethylene sitosterol sebacate

52570 POLYOXYETHYLENE

621 POLYOXYETHYLENES

52768 POLYOXYETHYLENE

(POLYOXYETHYLENE OR POLYOXYETHYLENES)

15515 SITOSTEROL

1144 SITOSTEROLS

15875 SITOSTEROL

(SITOSTEROL OR SITOSTEROLS)

10160 SEBACATE

294 SEBACATES

10298 SEBACATE

(SEBACATE OR SEBACATES)

L1 0 POLYOXYETHYLENE SITOSTEROL SEBACATE

(POLYOXYETHYLENE (W) SITOSTEROL (W) SEBACATE)

=> s polyoxyethanyl sitosterol sebacate

8 POLYOXYETHANYL

15515 SITOSTEROL

1144 SITOSTEROLS

15875 SITOSTEROL

(SITOSTEROL OR SITOSTEROLS)

10160 SEBACATE

294 SEBACATES

10298 SEBACATE

(SEBACATE OR SEBACATES)

L2 1 POLYOXYETHANYL SITOSTEROL SEBACATE
(POLYOXYETHANYL(W) SITOSTEROL(W) SEBACATE)

=> s polyoxyethanyl tocopherol sebacate
8 POLYOXYETHANYL
34408 TOCOPHEROL
11081 TOCOPHEROLS
37817 TOCOPHEROL
(TOCOPHEROL OR TOCOPHEROLS)
10160 SEBACATE
294 SEBACATES
10298 SEBACATE
(SEBACATE OR SEBACATES)

L3 1 POLYOXYETHANYL TOCOPHEROL SEBACATE
(POLYOXYETHANYL(W) TOCOPHEROL(W) SEBACATE)

=> d 13

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2008:944079 CAPLUS
DN 149:231620
TI Formulations of lipophilic bioactive molecules including amphiphilic
solubilizing agents
IN Borowy-Borowski, Henryk; Berl, Volker
PA National Research Council of Canada, Can.; Zymes, LLC
SO PCT Int. Appl., 117pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2008095182	A2	20080807	WO 2008-US52844	20080201
	WO 2008095182	A3	20081016		
	W:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
	RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA			
	US 20080254188	A1	20081016	US 2008-24936	20080201
PRAI	US 2007-887754P	P	20070201		
	US 2007-947943P	P	20070703		
OS	MARPAT 149:231620				

=> d 12

L2 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2008:1157437 CAPLUS
DN 149:408981
TI Organoleptic compounds with enhanced properties
IN Berl, Volker
PA Zymes, LLC, USA
SO PCT Int. Appl., 67pp.
CODEN: PIXXD2

DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	WO 2008116021	A1	20080925	WO 2008-US57553	20080319
	W:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
	RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	US 20080233056	A1	20080925	US 2008-51797	20080319
PRAI	US 2007-895681P	P	20070319		
RE.CNT	5	THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT			

=> s polyoxyethanyl tocopherol sebacic acid

8 POLYOXYETHANYL
34408 TOCOPHEROL
11081 TOCOPHEROLS
37817 TOCOPHEROL
(TOCOPHEROL OR TOCOPHEROLS)
12135 SEBACIC
4750604 ACID
1671242 ACIDS
5272838 ACID
(ACID OR ACIDS)
L4 0 POLYOXYETHANYL TOCOPHEROL SEBACIC ACID
(POLYOXYETHANYL (W) TOCOPHEROL (W) SEBACIC (W) ACID)

=> s polyoxyethanyl tocopherol sebacic

8 POLYOXYETHANYL
34408 TOCOPHEROL
11081 TOCOPHEROLS
37817 TOCOPHEROL
(TOCOPHEROL OR TOCOPHEROLS)
12135 SEBACIC
L5 0 POLYOXYETHANYL TOCOPHEROL SEBACIC
(POLYOXYETHANYL (W) TOCOPHEROL (W) SEBACIC)

=> s polyoxyethanyl sitosterol

8 POLYOXYETHANYL
15515 SITOSTEROL
1144 SITOSTEROLS
15875 SITOSTEROL
(SITOSTEROL OR SITOSTEROLS)
L6 1 POLYOXYETHANYL SITOSTEROL
(POLYOXYETHANYL (W) SITOSTEROL)

=> s polyoxyethanyl toopherol

8 POLYOXYETHANYL
L7 0 POLYOXYETHANYL TOOPHEROL
(POLYOXYETHANYL (W) TOOPHEROL)

```
=> s polyoxyethanyl tocopherol
      8 POLYOXYETHANYL
      34408 TOCOPHEROL
      11081 TOCOPHEROLS
      37817 TOCOPHEROL
          (TOCOPHEROL OR TOCOPHEROLS)
L8      1 POLYOXYETHANYL TOCOPHEROL
          (POLYOXYETHANYL(W)TOCOPHEROL)
```

```
=> s polyoxyethanyl vitamin (a) e
      8 POLYOXYETHANYL
      216395 VITAMIN
      62242 VITAMINS
      240731 VITAMIN
          (VITAMIN OR VITAMINS)
      0 POLYOXYETHANYL VITAMIN
          (POLYOXYETHANYL(W)VITAMIN)
      2188690 E
L9      0 POLYOXYETHANYL VITAMIN (A) E
```

```
=> s polyoxyethanyl vitamin (4a) e
      8 POLYOXYETHANYL
      216395 VITAMIN
      62242 VITAMINS
      240731 VITAMIN
          (VITAMIN OR VITAMINS)
      0 POLYOXYETHANYL VITAMIN
          (POLYOXYETHANYL(W)VITAMIN)
      2188690 E
L10     0 POLYOXYETHANYL VITAMIN (4A) E
```

```
=> s polyoxyethylene vitamin (4a) e
      52570 POLYOXYETHYLENE
      621 POLYOXYETHYLENES
      52768 POLYOXYETHYLENE
          (POLYOXYETHYLENE OR POLYOXYETHYLENES)
      216395 VITAMIN
      62242 VITAMINS
      240731 VITAMIN
          (VITAMIN OR VITAMINS)
      6 POLYOXYETHYLENE VITAMIN
          (POLYOXYETHYLENE(W)VITAMIN)
      2188690 E
L11     6 POLYOXYETHYLENE VITAMIN (4A) E
```

```
=> d l11 ibib kwic
```

```
L11  ANSWER 1 OF 6  CAPLUS  COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER:      2007:208355  CAPLUS
DOCUMENT NUMBER:       146:323431
TITLE:                 Artemether and lumefantrine composition with
                        self-emulsifying effects in vivo
INVENTOR(S):           Zhu, Shaoxuan; Wen, Xinguo; Zhang, Linze; Liu, Xuebin;
                        Li, Yunfeng; Liu, Wenjian; Ni, Qingchun; Lu, Kewei;
                        Wang, Xiaoling
PATENT ASSIGNEE(S):    Guangzhou Pharmaceutical Industrial Research
                        Institute, Peop. Rep. China
SOURCE:                Faming Zhuanli Shenqing Gongkai Shuomingshu, 19pp.
                        CODEN: CNXXEV
DOCUMENT TYPE:          Patent
LANGUAGE:               Chinese
FAMILY ACC. NUM. COUNT: 1
```

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1915217	A	20070221	CN 2006-10037383	20060831
PRIORITY APPLN. INFO.:			CN 2006-10037383	20060831
AB . . . ester, polyoxyethylene sorbitan fatty acid condensation compd., polyoxyethylene fatty acid condensation compd., polyoxyethylene fatty alc. condensation compd., polyoxyethylene polyoxypropylene copolymer, polyoxyethylene vitamin E, glyceryl polyoxyethylene fatty acid ester, etc. The adjuvant is selected from ethanol, propanediol, polyethylene glycol, vitamin E, glyceryl monoacetate, diglycerol. . .				

=> d l11 ibib kwic 2-

YOU HAVE REQUESTED DATA FROM 5 ANSWERS - CONTINUE? Y/(N):y

L11 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2006:236775 CAPLUS

DOCUMENT NUMBER: 144:298862

TITLE: Cosmetic nanoemulsions prepared using polyoxypropylene-polyoxyethylene vitamin E emulsifiers

INVENTOR(S): Kim, Young Dae; Park, Keun Ja; Kim, Jung Soo; Kim, Ji Soo

PATENT ASSIGNEE(S): S. Korea

SOURCE: PCT Int. Appl., 59 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006028339	A1	20060316	WO 2005-KR2929	20050903
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
KR 2006021778	A	20060308	KR 2004-70665	20040904
EP 1784163	A1	20070516	EP 2005-781134	20050903
R: DE, FR, IT				
CN 101031281	A	20070905	CN 2005-80033218	20050903
PRIORITY APPLN. INFO.:			KR 2004-70665	A 20040904
			WO 2005-KR2929	W 20050903
REFERENCE COUNT:	4	THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		
TI Cosmetic nanoemulsions prepared using polyoxypropylene-polyoxyethylene vitamin E emulsifiers				

L11 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2004:999083 CAPLUS
 DOCUMENT NUMBER: 142:225236
 TITLE: Nano-emulsion cosmetic composition containing
 polyoxypropylene-polyoxyethylene(pop-poe) vitamin E
 INVENTOR(S): Kim, Jeong Su; Kim, Ji Su; Kim, Young Dae; Park, Geun
 Ja
 PATENT ASSIGNEE(S): S. Korea
 SOURCE: Repub. Korean Kongkae Taeho Kongbo, No pp. given
 CODEN: KRXXA7
 DOCUMENT TYPE: Patent
 LANGUAGE: Korean
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
KR 2003090240	A	20031128	KR 2002-28261	20020521
PRIORITY APPLN. INFO.:			KR 2002-28261	20020521
ST cosmetic emulsion polyoxypropylene polyoxyethylene vitamin E				

L11 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2004:970060 CAPLUS
 DOCUMENT NUMBER: 142:204232
 TITLE: Low viscosity oil-in-water cosmetic emulsion
 containing polyoxypropylene-polyoxyethylene
 vitamin E
 INVENTOR(S): Kim, Jeong Su; Kim, Ji Su; Kim, Young Dae; Park, Geun
 Ja
 PATENT ASSIGNEE(S): S. Korea
 SOURCE: Repub. Korean Kongkae Taeho Kongbo, No pp. given
 CODEN: KRXXA7
 DOCUMENT TYPE: Patent
 LANGUAGE: Korean
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
KR 2002091858	A	20021211	KR 2001-30110	20010530
PRIORITY APPLN. INFO.:			KR 2001-30110	20010530
TI Low viscosity oil-in-water cosmetic emulsion containing polyoxypropylene- polyoxyethylene vitamin E				
AB A cosmetic emulsion contg. polyoxypropylene-polyoxyethylene vitamin E as an emulsifying agent is provided which is stable, has no skin irritation, has an excellent skin softening, skin moisturizing. . . effects and excellent spreadability, while inhibiting erythema generation and melanin formation induced by UV. This low viscosity oil-in-water emulsion contains polyoxypropylene- polyoxyethylene vitamin E 0.1-30% by wt.				
ST polyoxypropylene polyoxyethylene vitamin E cosmetic emulsion				
IT Cosmetics (emulsions; low viscosity oil-in-water cosmetic emulsion contg. polyoxypropylene-polyoxyethylene vitamin E)				
IT Melanins RL: BSU (Biological study, unclassified); BIOL (Biological study) (formation; low viscosity oil-in-water cosmetic emulsion contg. polyoxypropylene-polyoxyethylene vitamin E)				
IT Emulsifying agents				

Erythema
Skin

(low viscosity oil-in-water cosmetic emulsion contg. polyoxypropylene-
polyoxyethylene vitamin E)

IT Cosmetics

(moisturizers; low viscosity oil-in-water cosmetic emulsion contg.
polyoxypropylene-polyoxyethylene vitamin E
)

IT 394736-47-1

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(low viscosity oil-in-water cosmetic emulsion contg. polyoxypropylene-
polyoxyethylene vitamin E)

L11 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2004:920476 CAPLUS

DOCUMENT NUMBER: 142:134754

TITLE: Process for preparation of novel polyoxypropylene-
polyoxyethylene vitamin E

INVENTOR(S): Kim, Jeong Su; Kim, Ji Su; Kim, Young Dae; Park, Geun
Ja

PATENT ASSIGNEE(S): S. Korea

SOURCE: Repub. Korean Kongkae Taeho Kongbo, No pp. given
CODEN: KRXXA7

DOCUMENT TYPE: Patent

LANGUAGE: Korean

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
KR 2002063650	A	20020805	KR 2001-4180	20010130
PRIORITY APPLN. INFO.:			KR 2001-4180	20010130

TI Process for preparation of novel polyoxypropylene-polyoxyethylene
vitamin E

IT Antioxidants

(of polyoxypropylene-polyoxyethylene vitamin
E)

IT Polyoxyalkylenes, preparation

RL: SPN (Synthetic preparation); PREP (Preparation)
(vitamin E derivs.; prepn. of polyoxypropylene-
polyoxyethylene vitamin E derivs.)

IT 1406-18-4DP, Vitamin E, polyoxypropylene-polyoxyethylene derivs.

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of polyoxypropylene-polyoxyethylene vitamin
E)

IT 106392-12-5, Ethylene oxide-propylene oxide block copolymer

RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn. of polyoxypropylene-polyoxyethylene vitamin
E derivs.)

L11 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1994:707991 CAPLUS

DOCUMENT NUMBER: 121:307991

ORIGINAL REFERENCE NO.: 121:56239a, 56242a

TITLE: Cosmetic compositions containing quaternary ammonium
derivatives of vitamin E

INVENTOR(S): Kim, Young Dea

PATENT ASSIGNEE(S): Pacific Chemical Co. Ltd., S. Korea

SOURCE: Fr. Demande, 30 pp.

CODEN: FRXXBL

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2701478	A1	19940819	FR 1993-1673	19930215
FR 2701478	B1	19951013		

PRIORITY APPLN. INFO.: FR 1993-1673 19930215

OTHER SOURCE(S): MARPAT 121:307991

AB . . . ammonium derivs. of vitamin E are prepd. This compds. have good dispersibility in water and can be used as surfactants. Polyoxyethylene vitamin E in isopropanol was heated with a 70% soln. of 2,3-epoxypropyl trimethylammonium chloride at 55-60.degree. for 8 h to obtain quaternary. . .

=> s polyoxyethanyl tocopherol sebacic acid

8 POLYOXYETHANYL
34408 TOCOPHEROL
11081 TOCOPHEROLS
37817 TOCOPHEROL
(TOCOPHEROL OR TOCOPHEROLS)
12135 SEBACIC
4750604 ACID
1671242 ACIDS
5272838 ACID
(ACID OR ACIDS)

L12 0 POLYOXYETHANYL TOCOPHEROL SEBACIC ACID
(POLYOXYETHANYL (W) TOCOPHEROL (W) SEBACIC (W) ACID)

=> s polyoxyethanyl tocopherol sebacate

8 POLYOXYETHANYL
34408 TOCOPHEROL
11081 TOCOPHEROLS
37817 TOCOPHEROL
(TOCOPHEROL OR TOCOPHEROLS)
10160 SEBACATE
294 SEBACATES
10298 SEBACATE
(SEBACATE OR SEBACATES)

L13 1 POLYOXYETHANYL TOCOPHEROL SEBACATE
(POLYOXYETHANYL (W) TOCOPHEROL (W) SEBACATE)

=> d 113

L13 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STN

AN 2008:944079 CAPLUS

DN 149:231620

TI Formulations of lipophilic bioactive molecules including amphiphilic solubilizing agents

IN Borowy-Borowski, Henryk; Berl, Volker

PA National Research Council of Canada, Can.; Zymes, LLC

SO PCT Int. Appl., 117pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2008095182	A2	20080807	WO 2008-US52844	20080201
	WO 2008095182	A3	20081016		

W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ,

CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES,
 FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE,
 KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD,
 ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH,
 PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM,
 TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU,
 IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK,
 TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,
 TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW,
 AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA
 US 20080254188 A1 20081016 US 2008-24936 20080201
 PRAI US 2007-887754P P 20070201
 US 2007-947943P P 20070703
 OS MARPAT 149:231620

=> file reeg
 'REEG' IS NOT A VALID FILE NAME
 SESSION CONTINUES IN FILE 'CAPLUS'
 Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files
 that are available. If you have requested multiple files, you can
 specify a corrected file name or you can enter "IGNORE" to continue
 accessing the remaining file names entered.

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	106.26	106.48
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-2.46	-2.46

FILE 'REGISTRY' ENTERED AT 16:52:09 ON 08 JAN 2009
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2009 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
 provided by InfoChem.

STRUCTURE FILE UPDATES: 7 JAN 2009 HIGHEST RN 1092924-90-7
 DICTIONARY FILE UPDATES: 7 JAN 2009 HIGHEST RN 1092924-90-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
 predicted properties as well as tags indicating availability of
 experimental property data in the original document. For information
 on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> s polyoxyethanyl tocopherol sebacate/cn
 L14 0 POLYOXYETHANYL TOCOPHEROL SEBACATE/CN

```
=> polyoxyethanyl tocopherol sebacate/cn
L15      0 POLYOXYETHANYL TOCOPHEROL SEBACATE/CN

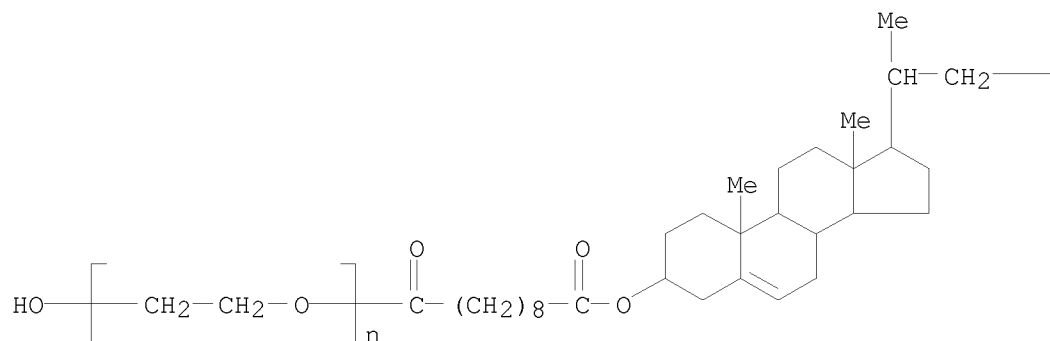
=> e polyoxyethanyl tocopherol sebacate/cn
E1      1      POLYOXYBUTYLENE-POLYOXYETHYLENE-POLYOXYPROPYLENE GLYCERIN ET
          HER/CN
E2      1      POLYOXYDIN/CN
E3      0 --> POLYOXYETHANYL TOCOPHEROL SEBACATE/CN
E4      1      POLYOXYETHANYL-SITOSTEROL-SEBACATE/CN
E5      1      POLYOXYETHYL CELLULOSE PHTHALATE/CN
E6      1      POLYOXYETHYL-2,2-BIS(P-HYDROXYPHENYL)PROPANE DIMETHACRYLATE/
          CN
E7      1      POLYOXYETHYLATED LAURYLAMINE/CN
E8      1      POLYOXYETHYLATED NONYLPHENOL/CN
E9      1      POLYOXYETHYLATED OLEYL ALCOHOL/CN
E10     1      POLYOXYETHYLATED SORBITAN MONOOLEATE/CN
E11     1      POLYOXYETHYLATED TRIMETHYLOLPROPANE TRIACRYLATE/CN
E12     1      POLYOXYETHYLENATED OCTADECYLAMINE/CN
```

```
=> e4
L16      1 POLYOXYETHANYL-SITOSTEROL-SEBACATE/CN
```

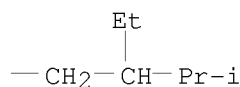
```
=> d 116
```

```
L16 ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2009 ACS on STN
RN   263015-35-6  REGISTRY
ED   Entered STN:  25 Apr 2000
CN   Poly(oxy-1,2-ethanediyl), .alpha.-[1,10-dioxo-10-[(3.beta.)-stigmast-5-en-
      3-yloxy]decyl]-.omega.-hydroxy- (CA INDEX NAME)
OTHER NAMES:
CN   Polyoxyethanyl-sitosterol-sebacate
DR   362516-41-4
MF   (C2 H4 O)n C39 H66 O4
CI   PMS
PCT  Polyether
SR   CA
LC   STN Files:   CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL
```

PAGE 1-A



PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

8 REFERENCES IN FILE CA (1907 TO DATE)
8 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
19.06	125.54

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-2.46

CA SUBSCRIBER PRICE

FILE 'CAPLUS' ENTERED AT 16:53:13 ON 08 JAN 2009
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 8 Jan 2009 VOL 150 ISS 2
FILE LAST UPDATED: 7 Jan 2009 (20090107/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>

=> s 362516-41-4

REG1STRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L18 8 L17

=> d 18

L8 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2008:944079 CAPLUS
DN 149:231620

TI Formulations of lipophilic bioactive molecules including amphiphilic solubilizing agents

IN Borowy-Borowski, Henryk; Berl, Volker

PA National Research Council of Canada, Can.; Zymes, LLC

SO PCT Int. Appl., 117pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	WO 2008095182	A2	20080807	WO 2008-US52844	20080201
	WO 2008095182	A3	20081016		
	W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA				
	US 20080254188	A1	20081016	US 2008-24936	20080201
PRAI	US 2007-887754P	P	20070201		
	US 2007-947943P	P	20070703		
OS	MARPAT 149:231620				

=> d 18 2-

1 ANSWERS ARE AVAILABLE. SPECIFIED ANSWER NUMBER EXCEEDS ANSWER SET SIZE

The answer numbers requested are not in the answer set.

ENTER ANSWER NUMBER OR RANGE (1):y

ANSWER NUMBERS NOT CORRECTLY SPECIFIED

Enter an answer number, Example: 10
several answer numbers, Example: 3,7,10
a range of answer numbers, Example: 5-10
or a combination of these. Example: 3,7,9-10,15

ENTER ANSWER NUMBER OR RANGE (1):y

ANSWER NUMBERS NOT CORRECTLY SPECIFIED

Enter an answer number, Example: 10
several answer numbers, Example: 3,7,10
a range of answer numbers, Example: 5-10
or a combination of these. Example: 3,7,9-10,15

ENTER ANSWER NUMBER OR RANGE (1):1

L8 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STN

AN 2008:944079 CAPLUS

DN 149:231620

TI Formulations of lipophilic bioactive molecules including amphiphilic solubilizing agents

IN Borowy-Borowski, Henryk; Berl, Volker

PA National Research Council of Canada, Can.; Zymes, LLC

SO PCT Int. Appl., 117pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
--	------------	------	------	-----------------	------

```

-----
PI  WO 2008095182      A2      20080807      WO 2008-US52844      20080201
    WO 2008095182      A3      20081016
      W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ,
        CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES,
        FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE,
        KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD,
        ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH,
        PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM,
        TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
      RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU,
        IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK,
        TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,
        TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW,
        AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA
    US 20080254188      A1      20081016      US 2008-24936      20080201
PRAI US 2007-887754P      P      20070201
    US 2007-947943P      P      20070703
OS   MARPAT 149:231620

```

=> d 18

```

L8  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2009 ACS on STN
AN  2008:944079  CAPLUS
DN  149:231620
TI  Formulations of lipophilic bioactive molecules including amphiphilic
    solubilizing agents
IN  Borowy-Borowski, Henryk; Berl, Volker
PA  National Research Council of Canada, Can.; Zymes, LLC
SO  PCT Int. Appl., 117pp.
    CODEN: PIXXD2
DT  Patent
LA  English
FAN.CNT 1

```

```

PATENT NO.      KIND      DATE      APPLICATION NO.      DATE
-----
PI  WO 2008095182      A2      20080807      WO 2008-US52844      20080201
    WO 2008095182      A3      20081016
      W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ,
        CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES,
        FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE,
        KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD,
        ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH,
        PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM,
        TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
      RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU,
        IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK,
        TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,
        TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW,
        AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA
    US 20080254188      A1      20081016      US 2008-24936      20080201
PRAI US 2007-887754P      P      20070201
    US 2007-947943P      P      20070703
OS   MARPAT 149:231620

```

=> d his

(FILE 'HOME' ENTERED AT 16:47:51 ON 08 JAN 2009)

FILE 'CAPLUS' ENTERED AT 16:48:03 ON 08 JAN 2009

L1 0 S POLYOXYETHYLENE SITOSTEROL SEBACATE
 L2 1 S POLYOXYETHANYL SITOSTEROL SEBACATE
 L3 1 S POLYOXYETHANYL TOCOPHEROL SEBACATE
 L4 0 S POLYOXYETHANYL TOCOPHEROL SEBACIC ACID
 L5 0 S POLYOXYETHANYL TOCOPHEROL SEBACIC
 L6 1 S POLYOXYETHANYL SITOSTEROL
 L7 0 S POLYOXYETHANYL TOOPHEROL
 L8 1 S POLYOXYETHANYL TOCOPHEROL
 L9 0 S POLYOXYETHANYL VITAMIN (A) E
 L10 0 S POLYOXYETHANYL VITAMIN (4A) E
 L11 6 S POLYOXYETHYLENE VITAMIN (4A) E
 L12 0 S POLYOXYETHANYL TOCOPHEROL SEBACIC ACID
 L13 1 S POLYOXYETHANYL TOCOPHEROL SEBACATE

FILE 'REGISTRY' ENTERED AT 16:52:09 ON 08 JAN 2009

L14 0 S POLYOXYETHANYL TOCOPHEROL SEBACATE/CN
 L15 0 POLYOXYETHANYL TOCOPHEROL SEBACATE/CN
 E POLYOXYETHANYL TOCOPHEROL SEBACATE/CN
 L16 1 E4

FILE 'CAPLUS' ENTERED AT 16:53:13 ON 08 JAN 2009
 S 362516-41-4/REG#

FILE 'REGISTRY' ENTERED AT 16:53:19 ON 08 JAN 2009

L17 1 S 362516-41-4/RN

FILE 'CAPLUS' ENTERED AT 16:53:19 ON 08 JAN 2009

L18 8 S L17

=> d l18 ibib kwic 1-

YOU HAVE REQUESTED DATA FROM 8 ANSWERS - CONTINUE? Y/(N):y

L18 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2008:1157437 CAPLUS
 DOCUMENT NUMBER: 149:408981
 TITLE: Organoleptic compounds with enhanced properties
 INVENTOR(S): Berl, Volker
 PATENT ASSIGNEE(S): Zymes, LLC, USA
 SOURCE: PCT Int. Appl., 67pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008116021	A1	20080925	WO 2008-US57553	20080319
W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
US 20080233056	A1	20080925	US 2008-51797	20080319

PRIORITY APPLN. INFO.:

US 2007-895681P

P 20070319

REFERENCE COUNT:

5

THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 60-12-8, 2-Phenyl-ethanol 77-54-3, Cedryl acetate 78-69-3, Tetrahydrolinalool 78-70-6, Linalool 89-78-1, Menthyl 90-17-5, Trichloromethylphenyl-carbinyl acetate 91-64-5, Coumarin 93-92-5, Styrallyl acetate 97-53-0, Eugenol 100-51-6, Benzyl alcohol, biological studies 100-86-7, Dimethylbenzyl-carbinol 101-48-4, Phenylacetaldehyde dimethylacetal 101-84-8, Diphenyl oxide 101-86-0, .alpha.-Hexylcinnamaldehyde 103-45-7, 2-Phenylethyl acetate 103-60-6, Phenoxyethyl isobutyrate 103-95-7 105-87-3, Geranyl acetate 105-95-3, Ethylene brassylate 106-22-9, Citronellol 106-24-1, Geraniol 107-75-5, Hydroxycitronellal 112-31-2, Decanal 112-54-9, n-Dodecanal 115-95-7, Linalyl acetate 118-58-1, Benzyl salicylate 120-51-4, Benzyl benzoate 120-57-0, Heliotropin 121-33-5, Vanillin 123-11-5, Aubepine, biological studies 128-50-7, Nopol 128-51-8, Nopyl acetate 134-96-3, Syringaldehyde 140-11-4, Benzyl acetate 149-91-7, Gallic acid, biological studies 150-84-5, Citronellyl acetate 476-66-4, Ellagic acid 874-90-8 928-96-1, cis-3-Hexenol 928-96-1D, cis-3-Hexenol, esters 1335-46-2D, Methylionone, derivs. 1335-94-0, Irone 2050-08-0, Amyl salicylate 3572-64-3 5146-66-7, Geranyl nitrile 6314-97-2, Phenylacetaldehyde diethylacetal 8000-41-7, Terpeneol 8007-35-0, Terpinyl acetate 8013-90-9D, Ionone, derivs. 13019-22-2, 9-Decen-1-ol 14727-47-0, Isolongifolanone 17882-53-0, 3-Isocamphylcyclohexanol 18479-57-7, Tetrahydromyrcenol 18871-14-2 31906-04-4 32210-23-4, p-tert-Butylcyclohexyl acetate 37677-14-8 40379-24-6, Isononyl acetate 51566-62-2, Citronellyl nitrile 53219-21-9, Dihydromyrcenol 54830-99-8, Tricyclodecenyl acetate 61307-73-1 62563-80-8, Vetiveryl acetate 67874-81-1, Cedryl methyl ether 68039-49-6 68129-81-7, Vetiverol 68912-13-0, Tricyclodecenyl propionate 88969-41-9, Dihydromyrcenyl acetate 146846-92-6, Polyoxyethanyl-cholesterol-sebacate 158642-33-2D, Isomethylionone, derivs. 263015-34-5 263015-35-6, Polyoxyethanyl-sitosterol-sebacate 848841-40-7
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(organoleptic compds. with enhanced properties)

L18 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2008:944079 CAPLUS

DOCUMENT NUMBER: 149:231620

TITLE: Formulations of lipophilic bioactive molecules including amphiphilic solubilizing agents

INVENTOR(S): Borowy-Borowski, Henryk; Berl, Volker

PATENT ASSIGNEE(S): National Research Council of Canada, Can.; Zymes, LLC

SOURCE: PCT Int. Appl., 117pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008095182	A2	20080807	WO 2008-US52844	20080201
WO 2008095182	A3	20081016		

W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

US 20080254188 A1 20081016 US 2008-24936 20080201
PRIORITY APPLN. INFO.: US 2007-887754P P 20070201
US 2007-947943P P 20070703

OTHER SOURCE(S): MARPAT 149:231620

IT 50-81-7, Ascorbic acid, biological studies 83-46-5, .beta.-Sitosterol
111-19-3, Sebacoyl chloride 121-44-8, Triethylamine, biological studies
127-40-2, Lutein 303-98-0, CoQ10 463-40-1, .alpha.-Linolenic acid
472-61-7, Astaxanthin 502-65-8, Lycopene 514-78-3, Canthaxanthin
992-78-9, Ubiquinol-50 1406-18-4, Vitamin E 3351-86-8, Fucoxanthin
6217-54-5, Docosaehaenoic acid 9004-74-4, Methoxypolyethylene glycol
9005-65-6, Polyoxyethylene sorbitan monooleate 10417-94-4,
Eicosapentaenoic acid 25322-68-3D, Poly(ethylene glycol), derivs.
146846-92-6, Polyoxyethanyl cholesterol-sebacate 199682-08-1D,
conjugates with ubiquinol 263015-34-5 263015-35-6
RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);
BIOL (Biological study); USES (Uses)
(formulations of lipophilic bioactive mols. including amphiphilic
solubilizing agents)

L18 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2008:804295 CAPLUS
DOCUMENT NUMBER: 149:112630
TITLE: Soft gel capsule formulations comprising bioactive
lipophilic molecules
INVENTOR(S): Borowy-Borowski, Henryk
PATENT ASSIGNEE(S): Zymes, LLC, USA
SOURCE: U.S. Pat. Appl. Publ., 19pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
US 20080160077	A1	20080703	US 2007-946020	20071127
WO 2008139264	A2	20081120	WO 2007-IB4600	20071127
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

PRIORITY APPLN. INFO.: US 2006-867389P P 20061127
US 2007-886212P P 20070123

IT 263015-35-6P
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(soft gel capsule formulations comprising bioactive lipophilic mols.)

L18 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2008:349935 CAPLUS
 DOCUMENT NUMBER: 148:363480
 TITLE: Water-soluble compositions of bioactive lipophilic compounds
 INVENTOR(S): Borowy-Borowski, Henryk; Sikorska-Walker, Marianna; Walker, P. Roy
 PATENT ASSIGNEE(S): Can.
 SOURCE: U.S. Pat. Appl. Publ., 24pp., Cont.-in-part of U. S. Ser. No. 511,239.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20080070981	A1	20080320	US 2007-888332	20070730
US 6191172	B1	20010220	US 2000-511239	20000223
AU 2007231911	A1	20071129	AU 2007-231911	20071112
PRIORITY APPLN. INFO.:			US 2000-511239	A2 20000223
			US 1999-285244	A3 19990402
			AU 2002-231502	A3 20020131

OTHER SOURCE(S): MARPAT 148:363480
 IT 146846-92-6P 263015-34-5P 263015-35-6P 848841-40-7P
 RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (water-sol. compns. of bioactive lipophilic compds.)

L18 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2006:918145 CAPLUS
 DOCUMENT NUMBER: 145:321631
 TITLE: Ubiquinone composition and a container for its convenient transport and storage
 INVENTOR(S): Shastri, Siddharth; Rogovin, Jarrow L.; Connolly, Kevin M.
 PATENT ASSIGNEE(S): USA
 SOURCE: U.S. Pat. Appl. Publ., 7pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20060198830	A1	20060907	US 2006-365539	20060301
WO 2007040591	A2	20070412	WO 2006-US7209	20060301
WO 2007040591	A9	20070524		
WO 2007040591	A3	20070830		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

PRIORITY APPLN. INFO.: US 2005-657676P P 20050301
 US 2006-365539 A 20060301
 IT 303-98-0, Coq10 9004-53-9, Fibersol 2 9050-36-6, Maltodextrin
 31566-31-1, Glyceryl monostearate 146846-92-6, Poly(oxyethanyl)
 cholesterol sebacate 263015-34-5 263015-35-6
 RL: PEP (Physical, engineering or chemical process); PYP (Physical
 process); THU (Therapeutic use); BIOL (Biological study); PROC (Process);
 USES (Uses)
 (ubiquinone compn. and a container for its convenient transport and
 storage)

L18 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2004:1101293 CAPLUS
 DOCUMENT NUMBER: 142:360532
 TITLE: Unique technology for solubilization and delivery of
 highly lipophilic bioactive molecules
 AUTHOR(S): Borowy-Borowski, Henryk; Sodja, Caroline; Docherty,
 John; Walker, P. Roy; Sikorska, Marianna
 CORPORATE SOURCE: Neurogenesis and Brain Repair Group, Institute for
 Biological Sciences, National Research Council of
 Canada, Ottawa, ON, K1A 0R6, Can.
 SOURCE: Journal of Drug Targeting (2004), 12(7), 415-424
 CODEN: JDTAEH; ISSN: 1061-186X
 PUBLISHER: Taylor & Francis Ltd.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 REFERENCE COUNT: 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 9002-96-4P 146846-92-6P 263015-34-5P 263015-35-6P
 263015-36-7P 263015-37-8P 263015-38-9P 848841-37-2P 848841-38-3P
 848841-39-4P 848841-40-7P
 RL: PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use);
 BIOL (Biological study); PREP (Preparation); USES (Uses)
 (unique technol. for solubilization and delivery of highly lipophilic
 bioactive mols.)

L18 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2001:713870 CAPLUS
 DOCUMENT NUMBER: 135:262270
 TITLE: Water-soluble compositions of bioactive lipophilic
 compounds
 INVENTOR(S): Borowy-Borowski, Henryk; Sikorska-Walker, Marianna;
 Walker, P. Roy
 PATENT ASSIGNEE(S): Can.
 SOURCE: U.S. Pat. Appl. Publ., 23 pp., Cont.-in-part of U.S.
 6,191,172.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20010025058	A1	20010927	US 2001-773592	20010202
US 6632443	B2	20031014		
US 6191172	B1	20010220	US 2000-511239	20000223
CA 2436374	A1	20020815	CA 2002-2436374	20020131
WO 2002062392	A2	20020815	WO 2002-CA115	20020131
WO 2002062392	A3	20021114		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
 CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,

GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
 PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
 UA, UG, UZ, VN, YU, ZA, ZM, ZW
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
 CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
 AU 2002231502 A1 20020819 AU 2002-231502 20020131
 EP 1363671 A2 20031126 EP 2002-711688 20020131
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
 JP 2004521900 T 20040722 JP 2002-562397 20020131
 EP 1810694 A2 20070725 EP 2006-24923 20020131
 EP 1810694 A3 20080109
 R: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, MC,
 NL, PT, SE, TR
 US 20040156871 A1 20040812 US 2003-648371 20030827
 AU 2007231911 A1 20071129 AU 2007-231911 20071112
 PRIORITY APPLN. INFO.:
 US 2000-511239 A2 20000223
 US 1999-285244 A3 19990402
 US 2001-773592 A 20010202
 AU 2002-231502 A3 20020131
 EP 2002-711688 A3 20020131
 WO 2002-CA115 W 20020131

OTHER SOURCE(S): MARPAT 135:262270
 IT 9002-96-4P 146846-92-6P 263015-34-5P 263015-35-6P
 263015-36-7P 263015-37-8P 263015-38-9P
 RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological
 study); PREP (Preparation); USES (Uses)
 (water-sol. compns. of bioactive lipophilic compds.)

L18 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2000:219062 CAPLUS
 DOCUMENT NUMBER: 132:256003
 TITLE: Water-soluble compositions of bioactive lipophilic
 compounds
 INVENTOR(S): Borowy-Borowski, Henryk; Sikorska-Walker, Marianna;
 Walker, P. Roy
 PATENT ASSIGNEE(S): National Research Council of Canada, Can.
 SOURCE: U.S., 19 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6045826	A	20000404	US 1999-285244	19990402
CA 2369300	A1	20001019	CA 2000-2369300	20000203
WO 2000061189	A2	20001019	WO 2000-CA76	20000203
WO 2000061189	A3	20010111		
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
EP 1159006	A2	20011205	EP 2000-901445	20000203
EP 1159006	B1	20080910		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, CY

BR 2000009532	A	20011226	BR 2000-9532	20000203
HU 2002000796	A2	20020828	HU 2002-796	20000203
JP 2002541216	T	20021203	JP 2000-610521	20000203
AU 775059	B2	20040715	AU 2000-22734	20000203
AT 407699	T	20080915	AT 2000-901445	20000203
EP 1985308	A2	20081029	EP 2008-162557	20000203

R: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, MC,
 NL, PT, SE

US 6191172	B1	20010220	US 2000-511239	20000223
FI 2001001914	A	20011119	FI 2001-1914	20010928
NO 2001004780	A	20011127	NO 2001-4780	20011001
ZA 2001008061	A	20030102	ZA 2001-8061	20011001
MX 2001PA09891	A	20030721	MX 2001-PA9891	20011001
IN 2001MN01213	A	20070316	IN 2001-MN1213	20011004
IN 2003DN01188	A	20050225	IN 2003-DN1188	20030729
IN 2005MN00604	A	20051021	IN 2005-MN604	20050613
AU 2007231911	A1	20071129	AU 2007-231911	20071112

PRIORITY APPLN. INFO.:

US 1999-285244	A	19990402
EP 2000-901445	A3	20000203
WO 2000-CA76	W	20000203
IN 2001-MN1213	A3	20011004
AU 2002-231502	A3	20020131

OTHER SOURCE(S): MARPAT 132:256003

REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 50-81-7, L-Ascorbic acid, biological studies 57-87-4, Ergosterol
 57-88-5, Cholesterol, biological studies 59-02-9, .alpha.-(+)-Tocopherol
 83-48-7, Stigmasterol 119-13-1, .delta.-Tocopherol 148-03-8,
 .beta.-Tocopherol 303-98-0, Coenzyme q 10 434-16-2,
 7-Dehydrocholesterol 474-62-4, Campesterol 1397-89-3, Amphotericin b
 1400-61-9, Nystatin 1403-17-4, Candicidin 1406-16-2, Vitamin d
 1406-18-4, Vitamin e 2074-53-5, dl-.alpha.-Tocopherol 7616-22-0,
 .gamma.-Tocopherol 9002-96-4 9004-74-4 11103-57-4, Provitamin a
 12001-79-5, Vitamin k 146846-92-6 263015-34-5 263015-35-6
 263015-36-7 263015-37-8 263015-38-9

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (water-sol. compns. of bioactive lipophilic compds.)

=> y

L19 362634 Y

=> d his full

(FILE 'HOME' ENTERED AT 16:47:51 ON 08 JAN 2009)

FILE 'CAPLUS' ENTERED AT 16:48:03 ON 08 JAN 2009

L1	0	SEA	ABB=ON	PLU=ON	POLYOXYETHYLENE	SITOSTEROL	SEBACATE
L2	1	SEA	ABB=ON	PLU=ON	POLYOXYETHANYL	SITOSTEROL	SEBACATE
L3	1	SEA	ABB=ON	PLU=ON	POLYOXYETHANYL	TOCOPHEROL	SEBACATE
					D L3		
					D L2		
L4	0	SEA	ABB=ON	PLU=ON	POLYOXYETHANYL	TOCOPHEROL	SEBACIC ACID
L5	0	SEA	ABB=ON	PLU=ON	POLYOXYETHANYL	TOCOPHEROL	SEBACIC
L6	1	SEA	ABB=ON	PLU=ON	POLYOXYETHANYL	SITOSTEROL	
L7	0	SEA	ABB=ON	PLU=ON	POLYOXYETHANYL	TOOPHEROL	
L8	1	SEA	ABB=ON	PLU=ON	POLYOXYETHANYL	TOCOPHEROL	
L9	0	SEA	ABB=ON	PLU=ON	POLYOXYETHANYL	VITAMIN (A)	E
L10	0	SEA	ABB=ON	PLU=ON	POLYOXYETHANYL	VITAMIN (4A)	E

L11 6 SEA ABB=ON PLU=ON POLYOXYETHYLENE VITAMIN (4A) E
 D L11 IBIB KWIC
 D L11 IBIB KWIC 2-
L12 0 SEA ABB=ON PLU=ON POLYOXYETHANYL TOCOPHEROL SEBACIC ACID
L13 1 SEA ABB=ON PLU=ON POLYOXYETHANYL TOCOPHEROL SEBACATE
 D L13

FILE 'REGISTRY' ENTERED AT 16:52:09 ON 08 JAN 2009

L14 0 SEA ABB=ON PLU=ON POLYOXYETHANYL TOCOPHEROL SEBACATE/CN
L15 0 SEA ABB=ON PLU=ON POLYOXYETHANYL TOCOPHEROL SEBACATE/CN
 E POLYOXYETHANYL TOCOPHEROL SEBACATE/CN
L16 1 SEA ABB=ON PLU=ON POLYOXYETHANYL-SITOSTEROL-SEBACATE/CN
 D L16

FILE 'CAPLUS' ENTERED AT 16:53:13 ON 08 JAN 2009

S 362516-41-4/REG#

FILE 'REGISTRY' ENTERED AT 16:53:19 ON 08 JAN 2009

L17 1 SEA ABB=ON PLU=ON 362516-41-4/RN

FILE 'CAPLUS' ENTERED AT 16:53:19 ON 08 JAN 2009

L18 8 SEA ABB=ON PLU=ON L17
 D L8
 D L8 2-
 D L8
 D L18 IBIB KWIC 1-
L19 362634 SEA ABB=ON PLU=ON Y

FILE HOME

FILE CAPLUS

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 8 Jan 2009 VOL 150 ISS 2

FILE LAST UPDATED: 7 Jan 2009 (20090107/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 7 JAN 2009 HIGHEST RN 1092924-90-7

DICTIONARY FILE UPDATES: 7 JAN 2009 HIGHEST RN 1092924-90-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> log h

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

23.77

150.29

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

0.00

-2.46

SESSION WILL BE HELD FOR 120 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 16:56:06 ON 08 JAN 2009